

Amendments to the Specification

Please replace paragraph [0018] on page 5 of the specification with the following amended paragraph:

[0018] In various embodiments, TEC 110 is thermally rated to meet at least the thermal dissipation requirement of laser light source 102. Referring now briefly to Fig. 3a-3b where a perspective view and a bottom view of TEC 110 in accordance with one embodiment is illustrated, respectively. As shown, for the embodiment, TEC 110 is further advantageously provided with a T-shape bottom portion 302, allowing cavities 304a-304b to be “defined”. For these embodiments, cavities 304a-304b are employed to facilitate routing of electrical traces to TEC 110, which contribute to the compactness or relative small footprint of optoelectronic module 100. The TEC 110 further includes a top portion 310 having a top planar surface 311, and a plurality of elongated TEC elements 312 disposed substantially in parallel between the top and bottom portions 310 and 302. The top planar surface 311 of the top portion 310, in various embodiments, is substantially orthogonal to the plurality of TEC elements 312. As depicted in Figs. 1 and 2, the laser light source 102 may be disposed directly on top of the top planar surface 311 of the top portion 310 of the TEC 110.

Please replace paragraph [0022] on page 6 of the specification with the following amended paragraph:

[0022] Still referring to Figs 1-2, for the embodiment, optoelectronic module 100 further includes mirror assembly 108 which is employed to assist in re-directing the light bundles emitted by laser light source 102 from a direction that is substantially parallel with the “top” ~~surface of~~ top planar surface 311 of the top 310 of the TEC 110 to a direction that is substantially orthogonal to the “top” ~~surface of~~ top planar surface 311 of the top 310 of the TEC 110. Any one of a number of mirrors (conventional, micro or otherwise) may be employed to implement mirror assembly 108. In alternate embodiments, prisms, and/or other optical devices with like properties may also be employed in conjunction or instead.